What is claimed is:

1. An endoscope apparatus comprising:

an observation optical system which is arranged to an inserting portion;

a first treatment-tool oscillating base which guides, in a first direction, a first treatment-tool guided via a first channel arranged to the inserting portion; and

a second treatment-tool oscillating base which guides, in a second direction, a second treatment-tool guided via a second channel arranged to the inserting portion,

wherein the end of at least one of the first and second treatment-tools guided by the first and second treatment-tool oscillating bases is guided to the outside of a field of view from the inside of an endoscope image based on an optical image obtained by the observation optical system.

2. An endoscope apparatus comprising:

an observation optical system which is arranged to an inserting portion;

an optical image transmitting member which optically transmits, to the base end side of the endoscope inserting portion, an optical image formed by the observation optical system as an endoscope image;

a first treatment-tool oscillating base which guides,

in a first direction, a first treatment-tool guided via a first channel arranged to the inserting portion; and

a second treatment-tool oscillating base which guides, in a second direction, a second treatment-tool guided via a second channel arranged to the inserting portion,

wherein a field of view of an endoscope image is limited so that the end of at least one of the first and second treatment-tools guided by the first and second treatment-tool oscillating bases is moved to the outside of a field of view from the inside of the endoscope image based on the optical image.

3. An endoscope apparatus comprising:

an observation optical system which is arranged to an inserting portion;

an optical image transmitting member which electrically transmits, to the base end side of the endoscope inserting portion, an optical image formed by the observation optical system as an endoscope image;

a first treatment-tool oscillating base which guides, in a first direction, a first treatment-tool guided via a first channel arranged to the inserting portion; and

a second treatment-tool oscillating base which guides, in a second direction, a second treatment-tool guided via a second channel arranged to the inserting portion,

wherein a field of view of an endoscope image is limited so that the end of at least one of the first and second treatment-tools guided by the first and second treatment-tool oscillating bases is guided to the outside of a field of view from the inside of the endoscope image based on the optical image.

4. An endoscope apparatus comprising:

observing optical means which is arranged to an inserting portion;

first treatment-tool guiding means which guides, in a first direction, a first treatment-tool guided via a first channel arranged to the inserting portion; and

second treatment-tool guiding means which guides, in a second direction, a second treatment-tool guided via a second channel arranged to the inserting portion,

wherein the end of at least one of the first and second treatment-tools guided by the first and second treatment-tool guiding means is guided to the outside of a field of view from the inside of an endoscope image based on an optical image obtained by the observing optical means.

5. An endoscope according to Claim 1, wherein the edge of the first treatment-tool is guided to the outside of the field of view from the inside, toward substantially a

vertical direction of a screen of the endoscope image, and the edge of the second treatment-tool is guided within the field of view, toward substantially a horizontal direction of the screen of the endoscope image.

6. An endoscope according to Claim 5, wherein the outside of the field of view is one in the top direction of the screen of the endoscope image.

7. An endoscope according to Claim 1, wherein a screen size in the guiding direction of the treatment tool guided to the outside of the field of view from the inside is set to have a shorter side, or to be shorter, as compared with a screen size in the guiding direction of the treatment tool guided within the inside range of the field of view.

8. An endoscope according to Claim 1, wherein a screen size in a direction in which the edge of the treatment tool is hidden from the inside of the field of view to the outside is set to have a shorter side or to be shorter, as compared with a screen size in a direction in which the edge of the treatment tool is exposed within the inside of the field of view.

9. An endoscope according to Claim 1, wherein a

projecting distance L from the edge surface is approximately 10 mm or more upon moving, to the outside of the field of view, the edge of at least one of the first and second treatment-tools guided to the outside of the field of view.